

## REPORT

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STEP UP CONSTRUCTION WITH WORK RELAY SYSTEM;  
SLATE NUMEROUS PUBLIC BUILDING PROJECTS FOR 1950

ADOPT PRINCIPLE OF ASSEMBLY-LINE METHOD -- Rzeczpospolita, No 82, 23 Mar 50

To achieve a faster tempo in residential construction in spite of a shortage of skilled workers and building material, the work relay system has been adopted. It consists of close coordination of workers not of one construction enterprise, but of several. The system works on the same principle as assembly-line methods in industry. The construction work is evenly divided over a period of one year among all teams according to a specially prepared chart. Specialized workers and engineers, upon completion of one job, move to work in a similar category on another project. The annual chart permits control of all construction work from the lowest to the highest grades.

The work relay system will be introduced for the first time on the Muranow housing project. In 1950, 172,268 cubic meters of space will be provided, including 38,200 cubic meters of public rooms and 1,544 rooms for living quarters. An additional 218,855 cubic meters of residential construction will be available in the rough stage.

Strict fulfillment of schedules is the main condition for the success of the work relay system. Twenty different enterprises have pledged that construction material, blueprints, vehicles, building equipment, and necessary installation work will be ready according to schedule.

MECHANIZE BUILDING OF DOLNY SLASK FACTORY -- Trybuna Ludu, No 66, 7 Mar 50

The Paint and Varnish Factory in Dolny Slask, operated by the State Industrial Building Enterprise No 5, is the first building in Dolny Slask to be built on the new 100-percent mechanized brigade system.

By adapting the new system of building, the factory will be ready for operation within the year, while with the old system, it would take 3 years and four times as many people. The building crew is composed of five brigades of from 50 to 70 people, all participants in work competition.

- 1 -

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VIE FOR BEST CONSTRUCTION TEAM TITLE -- Express Wieczorny, No 80, 21 Mar 50

Teams of the PBP (Industrial Building Enterprises) have joined construction teams of the SPB (Public Building Enterprises) and of the FPB (State Building Enterprises) in a competition for the title of Poland's best construction team.

The following PBP teams are taking part in the contest in Warsaw: (1) team No 26 working on a large office building at Wola Fort, to be completed by 1 May 1950, or 50 days ahead of schedule; (2) team No 5, building a radio equipment plant, to be completed one month ahead of schedule; (3) team No 23, building the headquarters of the Main Institute of Industrial Chemistry, and (4) team No 11, building an electric light factory.

INTRODUCE NEW CONCRETE PUMP -- Express Wieczorny, No 80, 21 Mar 50

A concrete pressure pump, widely used in the USSR, is being used for the first time in Poland. Under a pressure of 20 atmospheres, the pump forces concrete to upper levels through steel pipes. The pump can force concrete both horizontally and vertically at a rate of 30 cubic meters per hour. The use of the concrete pressure pump eliminates vertical transportation of concrete by means of elevators.

The concrete pressure pump now being used on the construction of an electric light factory is greatly speeding up the operation. This factory will be 15 stories high, the tallest factory building in Poland.

Express Wieczorny, No 95, 5 Apr 50

The large concrete pressure pump, the only one in Poland, has been put in operation on the construction of a factory. It is the heaviest piece of construction machinery and took 7 months to repair.

Several efforts have been made to start operations, but operators familiar with the machine were not available.

With the use of the pump, concrete pouring operations have been reduced from 7 to 2 days. Until recently, concrete pouring was done with the aid of a lift which delivered concrete to the construction level. Today the operation is automatic. The heavy pistons of the machine mix the concrete and pump it through a long iron pipe to the third floor, a distance of about 9 meters. The machine is capable of pumping the concrete as high as the sixth floor.

TRANSPORTATION MINISTRY BUILDING NEARS COMPLETION -- Rzeczpospolita, No 91, 1 Apr 50

Workers employed on the construction of the Ministry of Transportation building pledged a saving of 6,600 man-days to complete the job on schedule in spite of material shortages, and the lack of certain delayed technical specifications which are holding up work on the third and fourth floors and the staircase of the rotunda.

Conference rooms will be on the ninth floor, and offices of the minister and vice-ministers on the third floor. Both floors will have coverings of rubber or cork. The remaining floors will have linoleum over murovite, a sound-absorbing material.

- 2 -

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The walls are of very complicated construction. Shock workers on the 13th floor were able to plaster only two rooms during the first week.

The exterior of the building will be of sandstone. There will be two passenger and two freight elevators. Equipment for a weather station will be installed on the roof of the tower.

SLATE NEW PUBLIC BUILDINGS FOR WARSAW -- Zycie Warszawy, No 84, 25 Mar 50

During 1950, construction on many buildings in Warsaw will be completed or begun. The new Metalexport building will be located on the corner of Molotowska and Krucza Streets, and the Varimex and Dalspo buildings will be on Krusza Street. Two new buildings on Krucza Street, one for the Central Administration of Electrotechnical Industry and the other for the Ministry of Agriculture, will be partially built by the end of 1950. During 1950, the third wing on the PKPG (State Economic Planning Commission) building will be completed, the sixth wing will be partially completed, and construction on the fifth wing will begin. The PDT (General Merchandise Stores) building now under construction will be completed this year.

BUILD NEW KRAKOW CHEMICAL INSTITUTE -- Dziennik Polski, No 96, 7 Apr 50

The construction of a new chemical institute on Krupnicza Street in Krakow has been progressing rapidly. The building will comprise four large wings.

A special commission of Jagiello University headed by Professor Ehrlich is supervising the construction and installation work. Engineer Swiatecki is managing the work of the Public Construction Enterprise on the project.

PLAN NEW LATEST-DESIGN POLISH PUBLISHING HOUSE -- Express Wieczorny, No 78, 19 Mar 50

The new Dom Słowa Polskiego (the House of the Polish Word) is being built on a 2-hectare tract. The production shop, which will have a cubic content of 200,000 cubic meters, will be the center of the entire unit. The building will be made of reinforced concrete, and 2,200 tons of iron will go into the framework alone. The dimensions of the production shop will be 150 by 120 meters. It is believed that the first rotary press will start rolling by 22 July 1950.

The building will have a basement which will be used as a warehouse. Above the basement will be the production level. This level will rest on 800 pillars. The ceiling above this level will be made of 17,000 square meters of glass. Lengthwise to the production shop there will be two additional stories for various technical offices as well as locker rooms for the personnel. There will be 4,000 lockers of modern design equipped with a drying mechanism to dry wet clothing. The building will have radiant heat and air conditioning; 1,150,000 cubic meters of air will be changed every hour.

The production shop will be the largest and most modern in Europe.

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- 3 -

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